### PATENT COOPERATION TREATY

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TERNATIONAL SEARCHING AUTHORITY  To:  PHILIP R. WADSWORTH  QUAL COMM INCORPORATED  STYS MORRHOUSE DRIVE  SAN DIEGO, CA 92121			PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
			(PCT Rule 43bis.1)				
				Date of mailing (day/month/year)	03 N	OA 5002	
Applicant's	or agent's file ref	ference		FOR FURTHER	ACTION See paragraph 2 belov	v	
030457WO International application No. International filing date			nternational filing date	(day/month/year)	Priority date (day/m	onth/year)	
DOTA ISO4	126284	2	8 October 2004 (28.10.	2004)	29 October 2003 (29.10.2003)		
			ooth national classificat	ion and IPC			
IPC(7): H0 Applicant	4L 9/00 and US C	21.; 713/176					
QUALCO	MM INCORPOR	ATED					=
1 This o	minion contains in	dications relati	ng to the following item	ns:			
M	Box No. I	Basis of the o					
		Priority					
			egard to novelty, inver	ntive step and industri	al applicability		
=							
	Box No. IV Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelly, inventive step or industrial applicability, citations and explanations supporting such statement					
	Box No. VI Certain documents cited						
Box No. VII Certain defects in the international app			pplication				
	Box No. VIII Certain observations on the international application						
2. FURTHER ACTION  If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bix(b) that written opinions of this International Searching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form FCTISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form FCTISA/220.							
3. For further details, see notes to Form PCT/ISA/220.							
News and resiling address of the ISA/US Date of completion of this opinion Authorized officer					$\neg$		
Marine and marring address of the			005 (17.10.2005)	Joseph Pan			
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-8300				Telephone No. 57	1-272-5987		
Form PCT/ISA/237 (cover sheet) (April 2005)							

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/36284

Box No	o. I Basis of this opinion				
1. With r	regard to the language, this opinion has been established on the basis of:				
	the international application in the language in which it was filed				
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).				
2. With inven	<ol><li>With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:</li></ol>				
a.	type of material				
	a sequence listing				
	table(s) related to the sequence listing				
b.	format of material				
	on paper				
	in electronic form				
c.	time of filing/furnishing				
	contained in the international application as filed.				
	filed together with the international application in electronic form.				
	furnished subsequently to this Authority for the purposes of search.				
3. 🗌	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4. Add	litional comments:				
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Form I	PCT/ISA/237(Box No. I) (April 2005)				

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/36284

	to Links (C) with respect to navelty invent	ive step or industrial
Box No. V Reasoned statement under Rule applicability; citations and expl	43 bis.1(a)(i) with regard to noverty, invent mations supporting such statement	Tr step of manifel lax
Statement		
	Claims 1-45	YES
Novelty (N)	Claims NONE	
	Olimo pina pina pina pina pina pina pina pina	
Inventive step (IS)	Claims NONE	YES
Inventive step (ib)	Claims 1-45	
		v ma
Industrial applicability (IA)	Claims 1-45	YES
	Claims NONE	NO
2. Citations and explanations:		
Please See Continuation Sheet		
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#### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/36284

Supplemental Box	
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### V. 2. Citations and Explanations:

Claims 1-45 lack inventive step under PCT article 33(3) as being obvious over Drews (U.S. Patent No. 6,477,645) in view of Bari et al. (U.S. Pub. No. 2002/0023059).

pas et al. (U.S. PUB. PU. AMACHAGED).

Proved discloses referring b F16, 1, a block diagram of one embodiment of system 100 for providing authority and integrity Dreved discloses referring b F16, 1, a block diagram of one embodiment of system 105, user platform 105, user platform 110, including checks in a system lacking a public key is shown. System 100, and clapity system 122. Remote platform 105 is coupled to transformation value generator 115, comparison system 120, and clapity system 122. Remote platform 10 bits as accordinal transformation value 143, for or redential subset transformation value 143, form authorizing entity 150 for input into comparison system 120 of user platform 110. Remote platform 105 is capable of receiving information 155 and credential subset 155 from authorizing entity 150.

creenmail 190, which includes decrement assess to look associated with the Remole platform (DS) capable, in one embodiment, of staging and transmitting information 155 and credential 160 to user Remole platform 100 is expelled, in one embodiment, of staging and transmitting information 155 and credential 160 to user remole platform 110. Remole platform (DS) is not limited to any particular type of device and can be a computer, such as can be a computer, or a talevision or ratio transmitted or computer, a serier or a maintaine, or a communication device, but has a cell phone, or a talevision or ratio transmitted or computer. Those skilled in the art will recognize that any device capable of transmitting information to user platform 110 transceiver.

can function as remote platform 105. The present memory of information received at user platform 110, so it is not limited in The present invention ensures the authority and integrity of information transmitted from remote platform 105 to user platform 110. In one embodiment of the invention, the type of information 155 is a boot image, but those skilled in the att will recognize that the present invention is equally applicable to information 155 is a boot image, but those skilled in the att will recognize that the present invention is equally applicable to

the transmission of information such as application software or data.

Credential 160, in one embodment, contains authority information, such as a digital signature or digital signature in combination with other information, such as a digital certificate that normally accompanies

combination with other information, such as a digital settinate that former and such order authorized source of the transmitted information. The authority information, without a public key that designates the authorized source of the transmitted information. The authority information, without a public leads to the deck the production of the control of the contr

User platform 110 is provided for the purpose of receiving transmitted information such as information 155, credential 180, or information 155 and credential 180 from remote platform 105. User platform 110 is the target device for software, commands, or deal staged or nemote platform 105, and can be a computer, such as a personal computer, a server or a maintrame, or a communication device, such as a pager, a cell phone, or a television or radio receiver of transceiver. Like remote platform 105, user platform 110 is not inflined to any particular type of device, and those skilled in the art vitil recognize that any device capable of receiving information from remote platform 105 can be used in the present invention.

Transformation value generator 115 is provided to convert a variable length smount of digital data into a more concise form. Transformation are considered to the invention, generator 115 is a hash function. A hash function accepts any length input and in one embodiment of the invention, generator as facel, length output. Hash functions are known in the at and those settled in the art will recognize that a hash generators as fixed by the consideration of the consider

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function suitable for use in embodiments of the present invention is one that is relatively easy to compute, one-way, and collision-free. (see column 3, lines 15-23 of Drews).

In one embodiment, authorizing entity 150 supplies information transformation value 140, computed from information 155, to user 130. The transformation value is computed such that all parts of the information contribute to the transformation value in a way that is one-way and collision-tiee. In one embodiment, user platform 110 receives information transformation value 140 from user 130. Comparison system 120 compares the received information transformation value 140 with the output of transformation value generator 115, which generates a transformation value of information 155 supplied by remote platform 105. A match authenticales information 155 by ensuring the integrity and the authority of information 155. (see column 4, insee 24-37 of Drews).

Drews discloses the claimed subject matter, However, Drews does not specifically mention using the master credential in quenariting the application credential. On the other hand, Bartle 14, disclose a system for registering, softing and managing personal data for use over a network, wherein the master credential is utilized (see paragraph [Oo46], lines 10.19 of Bartl 4.). It would have been obvious to a person of ordinary skill in the art at the time the invention to utilize the master credential in generating the application credential. The ordinary skilled person would have been motivated to have applied to be about the control of the properties of the properties

Claims 1.45 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

Form PCT/ISA/237 (Supplemental Box) (April 2005)